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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/648,830	08/25/2000	Martin J. Steffensmeier	00CR002/KE	6297

7590 02/03/2005

Rockwell Collins Inc
Intellectual Property Department
400 Collins Road NE M/S 124-323
Cedar Rapids, IA 52498

EXAMINER

NGUYEN, KEVIN M

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 02/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/648,830	Applicant(s) STEFFENSMEIER ET AL.	
	Examiner Kevin M. Nguyen	Art Unit 2674	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is made in response to applicant's amendment filed on 10/08/2004. Claims 1-15 are currently pending in the application. An action follows below:

Response to Amendment

2. The declaration under 37 CFR 1.132 filed 10/08/2004 is sufficient to overcome the rejection of claims 1-15 based upon the rejection has been overcome Shen et al's reference applied under U.S.C. 102(e).

3. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of newly found prior art references.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1, 3, 5-8, 10, 12-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Watamoto et al.

6. As to claims 1 and 8, Watamoto et al teaches an image display device 500 (fig. 5) associated with a method, the image display device 500 comprising:

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- a. DVD 504 generates a stationary image (a static image).
 - b. Deterioration preventor 508 receives information from DVD 504 and TV 506 and generates control signals to each (col. 7, lines 39-41).
 - c. A DVD, CD, or video-CD 504 is connected to display unit 502 (col. 7, lines 36-28) defined providing the drive signals to display elements.
 - d. A screen burn-in preventor 510 (fig. 5) functions as the image adjustment during reproduction of the CD according to above constitution is described (col. 6, lines 51-53). Thus, since the wide screen 16:9 aspect ratio picture being modified to full screen 4:3 aspect ratio picture which is too fast, so that the viewers are unable to perceive.
7. As to claims 3, 4, 10 and 11, Watamoto et al teaches a cathode ray tube, a plasma display device or the like may be employed (col. 7, lines 31-33).
8. As to claims 5 and 12, Watamoto et al teaches an image display device 500 (fig. 5) associated with a method, the image display device 500 comprising:
- e. DVD 504 generates a stationary image (a static image).
 - f. Deterioration preventor 508 receives information from DVD 504 and TV 506 and generates control signals to each (col. 7, lines 39-41).
 - g. A DVD, CD, or video-CD 504 is connected to display unit 502 (col. 7, lines 36-28) defined providing the drive signals to display elements.
 - h. A screen burn-in preventor 510 (fig. 5) functions as the image adjustment during reproduction of the CD according to above constitution is described (col. 6, lines 51-53).

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9. As to claims 6 and 13, Watamoto et al teaches the DVD disc would provide a wide screen displaying a 16:9 aspect ratio picture. Thus, the wide screen defined the image origin for the static image.

10. As to claims 7 and 14, Watamoto et al teaches the screen burn-in preventor 510 (fig. 5) functions as the image adjustment during reproduction of the CD according to above constitution is described (col. 6, lines 51-53).

11. As to claim 15, Watamoto et al teaches an image display device 500 (fig. 5) comprising:

- i. A display means 502 (fig. 5).
- j. A screen burn-in preventor 510 (fig. 5) functions as the image adjustment during reproduction of the CD according to above constitution is described (col. 6, lines 51-53). Thus, since the wide screen 16:9 aspect ratio picture being modified to full screen 4:3 aspect ratio picture which is too fast, so that the viewers are unable to perceive.

Claim Rejections - 35 USC § 103

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 2 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watamoto et al in view of Toffolo et al (US 5,900,851).

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14. As to claims 2 and 9, Watamoto et al teaches all of the claimed limitation of claims 1 and 8, except for the matrix of light emitting diodes.

However, Toffolo et al teaches electroluminescent display panel 22 (see fig. 1) which inherent includes the matrix of light emitting diodes.

It would have been obvious to a person of ordinary skill in the art at the time of the invention to provide electroluminescent display panel 22 which inherent includes the matrix of light emitting diodes taught by Toffolo et al for Watamoto et al's display device, because this would prevent screen burn in as taught by Toffolo et al (col. 2, lines 8-9).

15. Claims 4 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watamoto et al in view of Marflak et al (US 6,369,851).

16. As to claims 4 and 11, Watamoto et al teaches all of the claimed limitation of claims 1 and 8, except for a field effect display.

However, Marflak et al teaches a flat cathode ray tube 308 (see fig. 3) which inherent includes a field effect display matrix.

It would have been obvious to a person of ordinary skill in the art at the time of the invention to provide the flat cathode ray tube 308 which inherent includes the field effect display matrix taught by Marflak et al for Watamoto et al's display device, because this would minimize burn lines on a display as taught by Marflak et al (see title).

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shen et al (US 6,262,772), Kato (JP 06-332418), and Falkman et

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al (US 4,677,430) teach a method and an apparatus for preventing display screen burn-in.

Response to Arguments

18. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

19. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Kevin M. Nguyen** whose telephone number is **703-305-6209**. The examiner can normally be reached on MON-THU from 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Patrick Edouard** can be reached on **703-308-6725**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

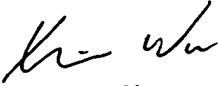
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Kevin M. Nguyen
Patent Examiner
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KN
February 1, 2005


XIAO WU
PRIMARY EXAMINER